

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-268
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1984 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
EFM2.3V1HCK5	140 (2.3)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.39	7.0	0.7

The following are the certification emission values for the above engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.23	2.2	0.7

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036) and Health and Safety Code Section 43204, provided, however, that jurisdiction is hereby reserved to modify these provisions to the extent made necessary by an EPA waiver decision, in order to assure that the listed vehicles comply with the minimum federal requirements applicable in California.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 11th day of November, 1983.


K. D. Drachand, Chief
Mobile Source Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer	<u>Ford</u>	Executive Order No.	<u>A-10-268</u>	Page	<u>1</u>
Engine Family	<u>EFM2.3V1HCK5</u>	Evaporative Family	<u>4AM</u>		
		Engine CID (Liters)	<u>140 (2.3)</u>		

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance
Control
VA-Vacuum Advance
VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection-Pump
AIV-Air Injection-Valve
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst System
TR-Thermal Reactor
TWC-Three Way Catalyst System

Special Features

CCV-Combustion
Chamber-Valve
CFI-Central Fuel
Injection
DID-Diesel
Injection-
Direct
DIP-Diesel
Injection-
Prechamber

Fuel System

CFI, CL, DID, DIP, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

MFI - Mechanical Fuel Injection
TC - Turbocharger

<u>Vehicle Line</u>	<u>Body Type</u>	<u>Body Code</u>	
<u>Ford</u>			
Tempo	2-Door	66D	Tempo L, GL, GLX
	4-Door	54D	
<u>Mercury</u>			
Topaz	2-Door	66D	Topaz L, GS, LS
	4-Door	54D	

DRIVE SYSTEM: Front Engine/Front Wheel Drive

Engine Family E2.3VCK

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☒ Passenger Cars ☐ Light-Duty Trucks ☐ Medium-Duty Vehicles ☒ Gas ☐ Diesel

Manufacturer Ford Motor Company

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Engine Family EFM2.3V1HCK5

Engine
Code 4-26K-R11

ECS (Special Features) EGR/AIP/TWC/EEC/CL

CID (Liter)- Type	140 (2.3) I-4
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Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EEC-IV Part No.	Fuel System I-V Part No.	EGR Valve Part No.	Lab Ide Par
4-26K-R11A	FTPZ-66D FTPZ-54D MTPZ-66D MTPZ-54D	AT029 (83)	2875	E43F-12A650-AGA	E43E-9510-ZC	E43E-9F483-CA	E4AE-AMJ
4-26K-R11N	FTPZ-66D FTPZ-54D MTPZ-54D MTPZ-66D		2750 2875				
	(Non-A/C Dyno Hp-all 6.3)						

Comments: See page one for abbreviations and evaporative emission family identification.

Engine Family E2.3VCK

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140 (2.3) I-4

[illegible]